

## HindII

pKK223-3

SEQ ID NO:180

pKK223-3N

NcoI

SEQ ID NO:181

FIG. 2A

## Cloning Step 1

I N A N P N A N P N A N P N A N P E L

A ATT AAC GCT AAT CCG AAC GCT AAT CCG AAC GCT AAT CCG GAG CT

TTG CGA TTA GGC TTG CGA TTA GGC TTG CGA TTA GGC C

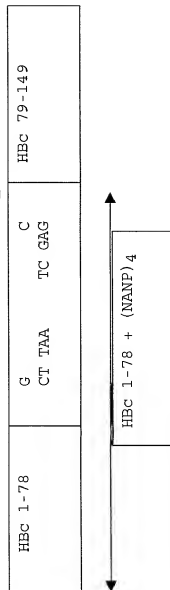


FIG. 2B

Cloning Step 2 -

I E Y L N K I Q N S L S T E W S P C S V T \*  
 A ATT GAA TAT CTG AAC AAA ATC CAG AAC TCT CTG TCC ACC GAA TGG TCT CCG TGC TGC GTT ACC TAA AAG CT  
 -CTT ATA GAC TTG TTT TAG GTC TTG AGA GAC AGG TGG CTT ACC AGA GGC ACG AGG CAA TGG ATT T

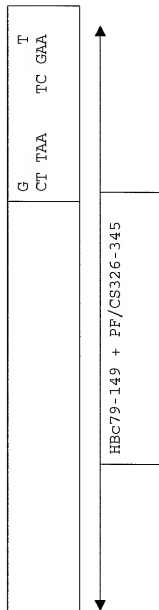
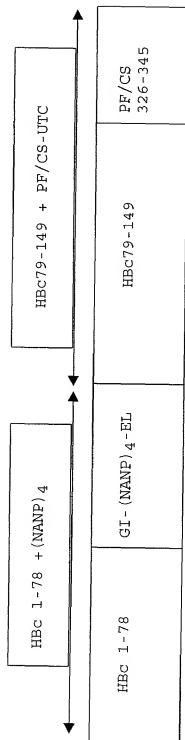
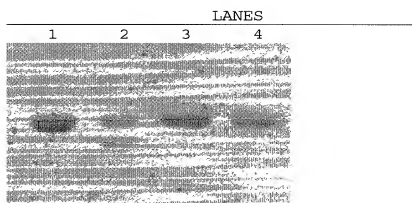


FIG. 2C

Cloning Step 3



**FIG. 3**



**FIG. 4**

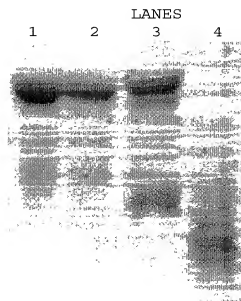


FIG. 5

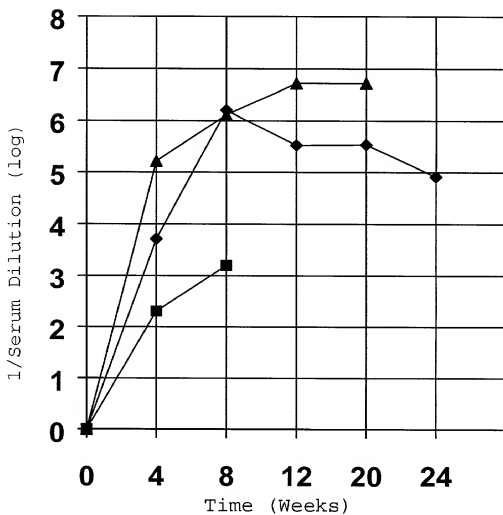


FIG. 6A

FIG. 6A

Ground Squirrel	mylfhlclvf acvpcptvga sklclgwlwd
	1
HBC AYW	mdidpykefg atvellslflp sdffpsvrdl ldtasalyre
HBC ADW	mdidpykefg atvellslflp sdffpsvrdl ldtasalyre
HBC ADW2	mdidpykefg atvellslflp sdffpsvrdl ldtasalyre
HBC ADYW	mdidpykefg atvellslflp sdffpsvrdl ldtasalyrd
Woodchuck	mdidpykefg ssyqlnflp ldffpdlnal vdtatalyee
Ground Squirrel	mdidpykefg ssyqlnflp ldffpdlnal vdtasalyee
	41
HBC AYW	alespehcsp hhtalrqail cwgelmtlat wvgvnledpa
HBC ADW	alespehcsp hhtalrqail cwgelmtlat wvgvnledpa
HBC ADW2	alespehcsp hhtalrqail cwgelmtlat wvgvnledpa
HBC ADYW	alespehcsp hhtalrqail cwgdmltlat wvgtnledpa
Woodchuck	eltgrehcsp hhtairqalv cwdeklia wmsnitseq
Ground Squirrel	eltgrehcsp hhtairqalv cweeltrlit wmsenttee

FIG. 6B

81	HBC AYW	srdlvsvyn	tnmglkfrql	lwfhlscitf	gretvievlyv
	HBC ADW	srdlvvnyv	tnmglkirql	lwfhlscitf	gretvleylv
	HBC ADW2	srdlvvnyv	tnvlgkirql	lwfhlscitf	gretvleylv
	HBC ADYW	srdlvsvyn	tnvlgkfrql	lwfhlscitf	gretvleylv
	Woodchuck	vrtiivnhvn	dtwglkvrgs	lwfhlscitf	gqhtvqeflv
	Ground Squirrel	rriiivdhvnn	twglkvrgql	wfhlscitfg	qhtvqeflvs
121	HBC AYW	sfgwvrtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
	HBC ADW	sfgwvrtpp	ayrppnapil	stlpettvvr	rrdrgsprrr
	HBC ADW2	sfgwvrtpp	ayrppnapil	stlpettvvr	rrdrgsprrr
	HBC ADYW	sfgwvrtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
	Woodchuck	sfgwvrtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
	Ground Squirrel	sfgwvrtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
		fgwvrtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
161	HBC AYW	pprrrrrsqs	pprrrsqsre	sqc	
	HBC ADW	rtpsprrrrs	qsprrrsqs	resqc	
	HBC ADW2	rtpsprrrrs	qsprrrsqs	resqc	
	HBC ADYW	pprrrrrsqs	pprrrsqsre	sqc	
	Woodchuck	prrrpsprrr	rrsqsprrrr	sqc	
	Ground Squirrel	rrrrpsprrr	rrsqsprrrr	qspasnc	

**FIG. 7**

V12.Pf1                      V12.Pf1 (C17A) C150

DAYS

0      7      14                      0      7      14

